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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/767,149 | 01/23/2001 | Tomohiro Kusanagi | OSP-10029 | 1399 |

466 7590 04/14/2004

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EXAMINER

CHOW, DOON Y

| ART UNIT | PAPER NUMBER |
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2675

14

DATE MAILED: 04/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/767,149

Applicant(s)

KUSANAGI, TOMOHIRO

Examiner

Dennis-Doon Chow

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on ____.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,4,5 and 7 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4,5 and 7 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 11, 13.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-2 and 4-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yasui et al. (5248963) in view of Kaneda (JP 11271715).

Yasui discloses a liquid crystal display device comprising: pixel electrodes; common electrode; a plurality of data lines and gate lines; plurality of switches; and a controller for detecting the power supply of the liquid crystal display device is turned off and outputting signals to a gate line driver to make all the gate lines active for a predetermined time to erase the display device (see abstract). Yasui further discloses the predetermined time is determined based on a time constant of a resistor and a capacitor (see col. 5, lines 8-50)

Yasui does not explicitly disclose detecting an absence of a video signal or a sync signal. Instead, Yasui discloses detecting the absence of the power signal.

Kaneda discloses a liquid crystal display device comprising a controller for detecting an absence of a sync signal and outputting a same potential voltage to a common electrode and data lines.

Thus, it would have been obvious to one ordinary skill in the art to use Kaneda's controller in Yasui's device because of the same reason as Kaneda uses in his invention, which is to secure the excellent display quality of the display device for a long period of time (see Kaneda's abstract).

Response to Arguments

3. Applicant's arguments filed 2/4/04 have been fully considered but they are not persuasive.

Applicant argues that the English abstract of the Kaneda reference and the characterizations of the reference in the English translation of the Korean official action do not support the characterization of the Kaneda reference in the official action. The examiner disagrees with applicant's arguments because the English translation of the Korean official action clearly states that *the Japanese Patent Application. First Publication No. 11-271715 (1999.10.8, citation 1) has a configuration of applying the same electric potential to the driver circuit and the pixel electrodes when abnormality of a clock signal is detected, or, at shut down*. Since a horizontal synchronization signal or a vertical synchronization signal is a clock signal, the Kaneda reference clearly teach detecting the horizontal synchronization signal or the vertical synchronization signal, and applying the same electric potential to the driver circuit and the pixel electrodes based on the detection.

As to applicant's arguments with regarding to the predetermined time, Yasui teaches the predetermined time is determined based on a time constant of a resistor and a capacitor (see col. 5, lines 8-50).

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis-Doon Chow whose telephone number is 703-305-4398. The examiner can normally be reached on 8:30-6:00, Alternate Monday off.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Saras can be reached on 703-305-9720. The fax phone numbers for

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the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-0377.

D. Chow
April 8, 2004



DENNIS-DOON CHOW
PRIMARY EXAMINER